DRAFT

NOV 0 6 1990

See me
- walter

4/12/91

PA Scoresheets

BROCKWAY MOTOR TRUCKS

NYD980203111

PRELIMINARY ASSESSMENT

DRAFT

NOV 06 1990

CERCLIS IDENTIFICATION NUMBER	
STATE	SITE NUMBER
NY	NYD 980202111

SITE LOCATION

SITE NAME: Legal, common or descriptive name of site BROCKWAY MOTOR TRUCKS			
STREET ADDRESS, ROUTE or SPECIFIC LOCATION IDENTIFIER 106 Central Avenue			
CITY Cortland	STATE NY	ZIP CODE 13045	TELEPHONE ( )
COORDINATES: LATITUDE and LONGITUDE 42° 35' 30" 76° 10' 30"	TOWNSHIP, RANGE, and SECTION [illegible]		

OWNER/OPERATOR IDENTIFICATION

OWNER Rubbermaid - Cortland Inc			OPERATOR Rubbermaid - Cortland Inc		
OWNER ADDRESS 106 Central Ave			OPERATOR ADDRESS		
CITY Cortland			CITY		
STATE NY	ZIP CODE 13045	TELEPHONE ( )	STATE	ZIP CODE	TELEPHONE ( )

TYPE OF OWNERSHIP

- ■ PRIVATE
- ☐ FEDERAL: Agency name ______________
- ☐ STATE
- ☐ COUNTY
- ☐ MUNICIPAL
- ☐ OTHER: ______________
- ☐ NOT SPECIFIED

OWNER/OPERATOR NOTIFICATION ON FILE

- ■ NONE
- ☐ CERCLA 103 C, UNCONTROLLED WASTE SITE
  DATE: ______________
- ☐ RCRA 3001
  DATE: ______________

SITE STATUS	YEARS OF OPERATION	APPROXIMATE SIZE OF SITE
■ ACTIVE ☐ INACTIVE ☐ UNKNOWN	BEGINNING YEAR: 1983 ENDING YEAR: PRESENT ☐ UNKNOWN	20.5 ACRES

SITE EVALUATION

AGENCY / ORGANIZATION
INVESTIGATOR
CONTACT
ADDRESS
TELEPHONE (   )
DATE

DRAFT

NOV 06 1990

Site Name: BROCKWAY MOTOR TRUCK
Date: 4-12-91

GENERAL INFORMATION (continued)

Source Descriptions:

CONTAMINATED SOIL DUE TO A SPILL OF 55 GALLON DRUM OF 1,1,1-TRICHLOROETHANE.

A CLEAN-UP WAS DONE ON THE CONTAMINATED SOIL BY 55 GAL DRUM OF TCE. THIS CLEAN-UP WAS DONE BY THE OWNER OF THE SITE (RUBBERMAID, INC). THE INFORMATION WAS GOTTEN FROM THE REGIONAL HAZARDOUS WASTE DEPT. OF NYSDEC. (IN SYRACUSE).

Waste Characteristics (WC) Calculations:

(See PA Table 1, page 5)

TOTAL HAZARDOUS WASTE QUANTITY:

35 GAL OF 1,1,1-TRICHLOROETHANE (SPILLED ON SOIL)

CONSTUENT $35\ gal \left(\frac{2{,}000\ lbs}{200\ gal} \right) \Rightarrow 350\ lbs$

WC = 32 if CONSTITUENT > 100 to 10,000 lbs

therefore WC = 32

- BURIED DIESEL AND GASOLINE FUEL TANKS ARE NOT COVERED UNDER CERCLA.

- CONTAMINATED SOIL
  20.5 acres ≤ 18 acres ∴ WC = 18

WC = 32 / 18

DRAFT

NOV 0 6 1990

Site Name: BROOKWAY MOTOR TRUCKS
Date: 4-12-91

PA TABLE 1: WASTE CHARACTERISTICS (WC) SCORES

PA Table 1a: WC Scores for Single Source Sites and Formulas for Multiple Source Sites

TIER	SOURCE TYPE	SINGLE SOURCE SITES (assigned WC scores)			MULTIPLE SOURCE SITES
		WC = 18	*WC = 32*	*WC = 100*	Formula for Assigning Source WQ Values
CONSTITUENT	N/A	≤100 lbs	>100 to 10,000 lbs	>10,000 lbs	*lbs ÷ 1*
WASTESTREAM	N/A	≤500,000 lbs	>500,000 to 50 million lbs	>50 million lbs	*lbs ÷ 5,000*
VOLUME	Landfill	≤6.75 million ft³ ≤250,000 yd³	>6.75 million ft³ to 675 million ft³ >250,000 to 25 million yd³	>675 million ft³ >25 million yd³	*ft³ ÷ 67,500* *yd³ ÷ 2,500*
	Surface impoundment	≤6,750 ft³ ≤250 yd³	>6,750 ft³ to 675,000 ft³ >250 to 25,000 yd³	>675,000 ft³ >25,000 yd³	*ft³ ÷ 67.5* *yd³ ÷ 2.5*
	Drums	≤1,000 drums	>1,000 to 100,000 drums	>100,000 drums	*drums ÷ 10*
	Tanks and non-drum containers	≤50,000 gallons	>50,000 to 5 million gallons	>5 million gallons	*gallons ÷ 500*
	Contaminated soil	≤6.75 million ft³ ≤250,000 yd³	>6.75 million ft³ to 675 million ft³ >250,000 to 25 million yd³	>675 million ft³ >25 million yd³	*ft³ ÷ 67,500* *yd³ ÷ 2,500*
	Pile	≤6,750 ft³ ≤250 yd³	>6,750 ft³ to 675,000 ft³ >250 to 25,000 yd³	>675,000 ft³ >25,000 yd³	*ft³ ÷ 67.5* *yd³ ÷ 2.5*
AREA	Landfill	≤340,000 ft² ≤7.8 acres	>340,000 to 34 million ft² >7.8 to 780 acres	>34 million ft² >780 acres	*ft² ÷ 3,400* *acres ÷ 0.078*
	Surface impoundment	≤1,300 ft² ≤0.029 acres	>1,300 to 130,000 ft² >0.029 to 2.9 acres	>130,000 ft² >2.9 acres	*ft² ÷ 13* *acres ÷ 0.00029*
	Contaminated soil	≤3.4 million ft² ≤78 acres	>3.4 million to 340 million ft² >78 to 7,800 acres	>340 million ft² >7,800 acres	*ft² ÷ 34,000* *acres ÷ 0.78*
	Pile*	≤1,300 ft² ≤0.029 acres	>1,300 to 130,000 ft² >0.029 to 2.9 acres	>130,000 ft² >2.9 acres	*ft² ÷ 13* *acres ÷ 0.00029*
	Land treatment	≤27,000 ft² ≤0.62 acres	>27,000 to 2.7 million ft² >0.62 to 62 acres	>2.7 million ft² >62 acres	*ft² ÷ 270* *acres ÷ 0.0062*

1 ton = 2,000 lbs = 1 yd³ = 4 drums = 200 gallons

* Use area of land surface under pile, not surface area of pile.

PA Table 1b: WC Scores for Multiple Source Sites

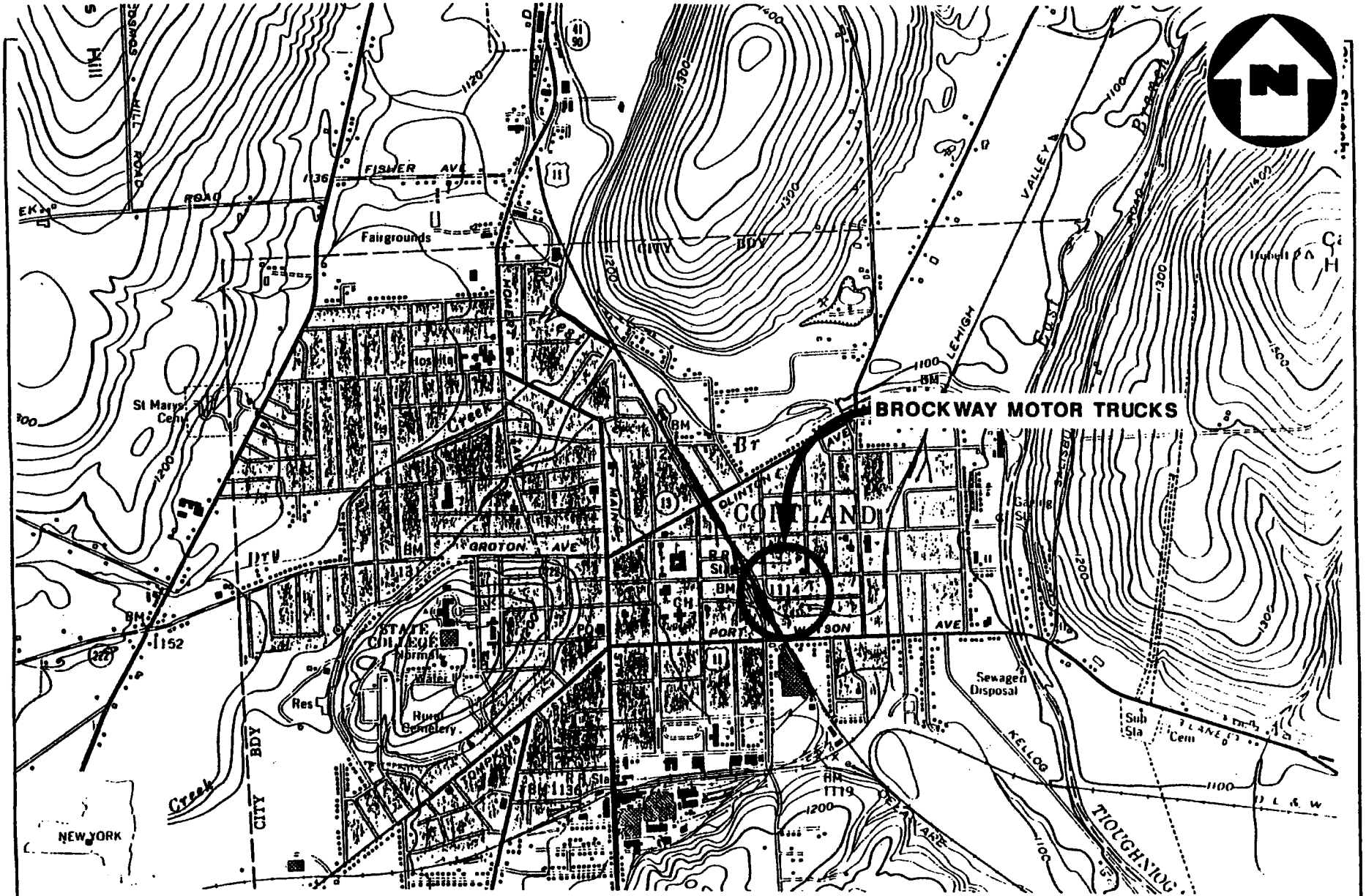
WQ Total	*WC Score*
>0 to 100	18
>100 to 10,000	32
>10,000	100

DRAFT

NOV 06 1990

GENERAL INFORMATION (continued)

Site Name: Brockway Motor Trucks
Date: 4-12-91



QUAD) COURTLAND, N.Y.

FIGURE 1

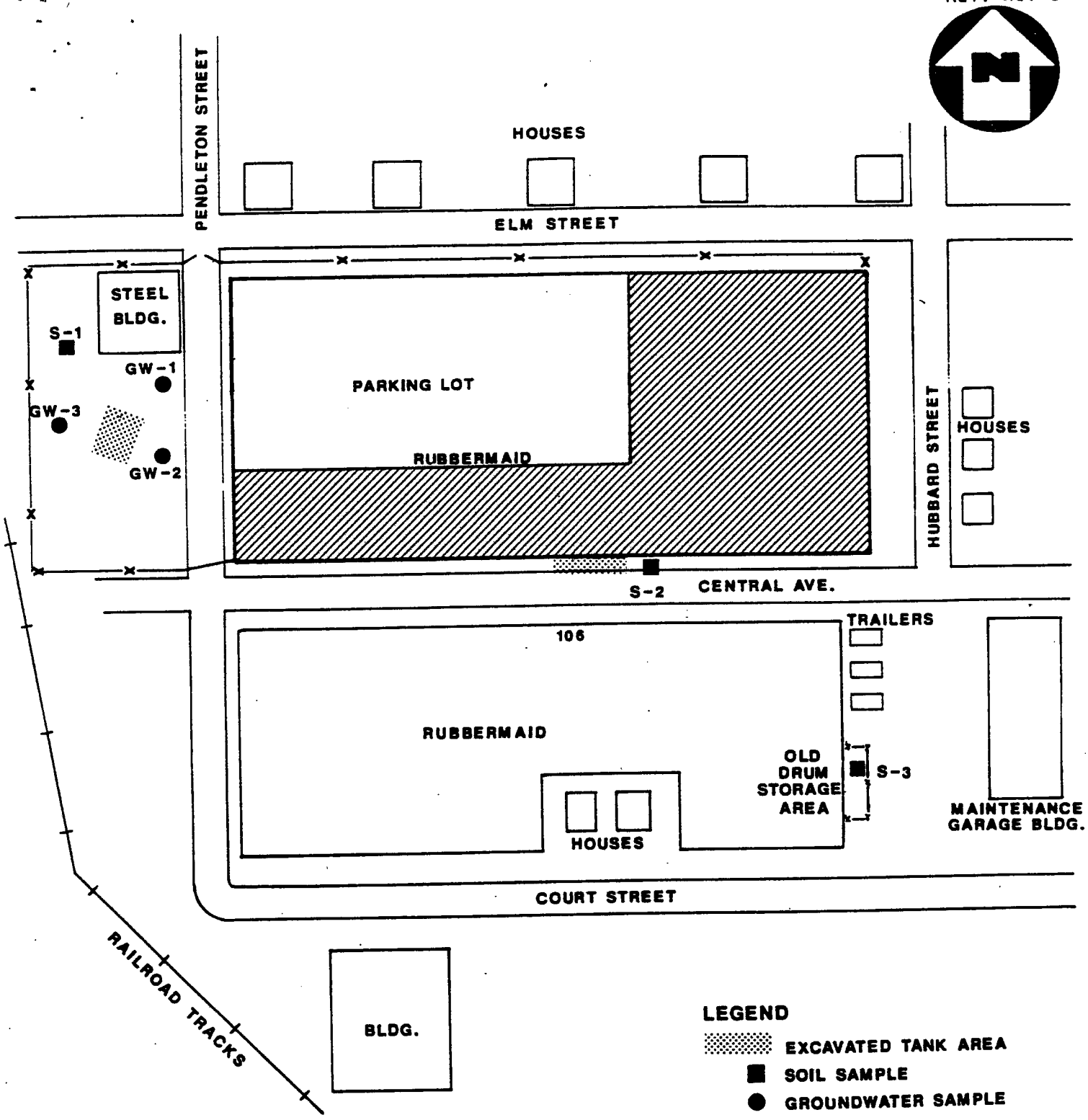
SITE LOCATION MAP

BROCKWAY MOTOR TRUCKS, CORTLAND N.Y.

SCALE: 1"=2000'

NUS CORPORATION

Rev. No. 0



LEGEND

- EXCAVATED TANK AREA
- SOIL SAMPLE
- GROUNDWATER SAMPLE

NOTE: ALL SAMPLE NUMBERS PRECEDED BY NY86

FIGURE 3

SAMPLE LOCATION MAP

BROCKWAY MOTOR TRUCKS, CORTLAND, N.Y.

(NOT TO SCALE)

NUS CORPORATION

DRAFT

NOV 0 6 1990

Site Name: BROCKWAY MOTOR TRUCK

Date: 4-12-91

GENERAL INFORMATION

Site Description and Operational History:

SITE DESCRIPTION

Brockway Motor Trucks is a 20.5-acre site that was owned by Mack Trucks, Inc. and used as a truck assembly plant from 1969 to 1977. The facility is located in a moderately populated commercial/residential area on Central Avenue in Cortland, New York. The former truck factory building is currently owned by the Cortland County Industrial Development Agency and leased by Rubbermaid Inc. (1983 - Present) to manufacture and distribute plastic products.

In February 1987, a 55-gallon drum of 1,1,1-trichloroethane (TCE) was crushed by a forklift, allowing approximately 35 gallons of the solvent to spill onto the ground. The NYSDEC was at the site the same day to oversee the excavation and removal of the contaminated soil.

On July 8, 1987, NUS Corp. Region 2 FIT conducted a site inspection at the former Brockway plant. Three groundwater and three soil samples were collected at the site. Soil samples collected near the spill area were augered to a depth of 2 feet. Analysis of these samples showed the presence of 1,1,1-TCE in the soil.

Residents within the city limits of Cortland obtain their drinking water from a municipal supply system. The municipal water supply is obtained from two wells located west of the site in the City of Cortland. The potential population affected within a 3-mile radius is 24, 851.

This report will not deal with formerly buried diesel and gasoline fuel tanks because they are not covered under CERCLA. It is recommended that further investigation be conducted in this area.

Probable Contaminants of Concern:

(Previous investigations; analytical data)

A groundwater observed release was detected from the site inspection well sampling.

Lead was detected in concentrations over five times greater in the downgradient well, than in the upgradient well. Aluminum, barium, chromium, copper, magnesium, and vanadium were also detected in concentrations significally greater in the downgradient well.

DRAFT

NOV 06 1990

Site Name: BROCKWAY MOTOR TRUCKS
Date: 4-12-91

GROUND WATER PATHWAY
GROUND WATER USE DESCRIPTION

Describe Ground Water Use Within 4-miles of the Site:
(Provide generalized stratigraphy; information on aquifers, municipal, and or private wells)

GROUNWATER IS USED FOR DRINKING PURPOSE. THE AQUIFER OF CONCERN IS THE UN CONFINED CORTLAND AQUIFER. HIS 9 FEET BELOW THE GROUND SURFACE.

- THE AQUIFER CONSISTS OF STRATIFIED GLACIAL DEPOSITS OF PERMEABLES SAND AND GRAVEL.

-THE POPULATION SERVED BY GROUNDWATER IS APPROXIMATELY 24,700, (ACCORDING THE SI REPORT) (3mi-radius)

- WITHIN A 3 MILE RADIUS OF SITE, THE AQUIFER SERVES APPROXIMATELY 22,000 PEOPLE IN THE CITY OF CORTLAND, AND 2,700 PEOPLE IN THE CITY OF CORTLANDVILLE.

-#2 CORTLAND CITY WATER TREATMENT DEPT. SERVES 20,000 PEOPLE

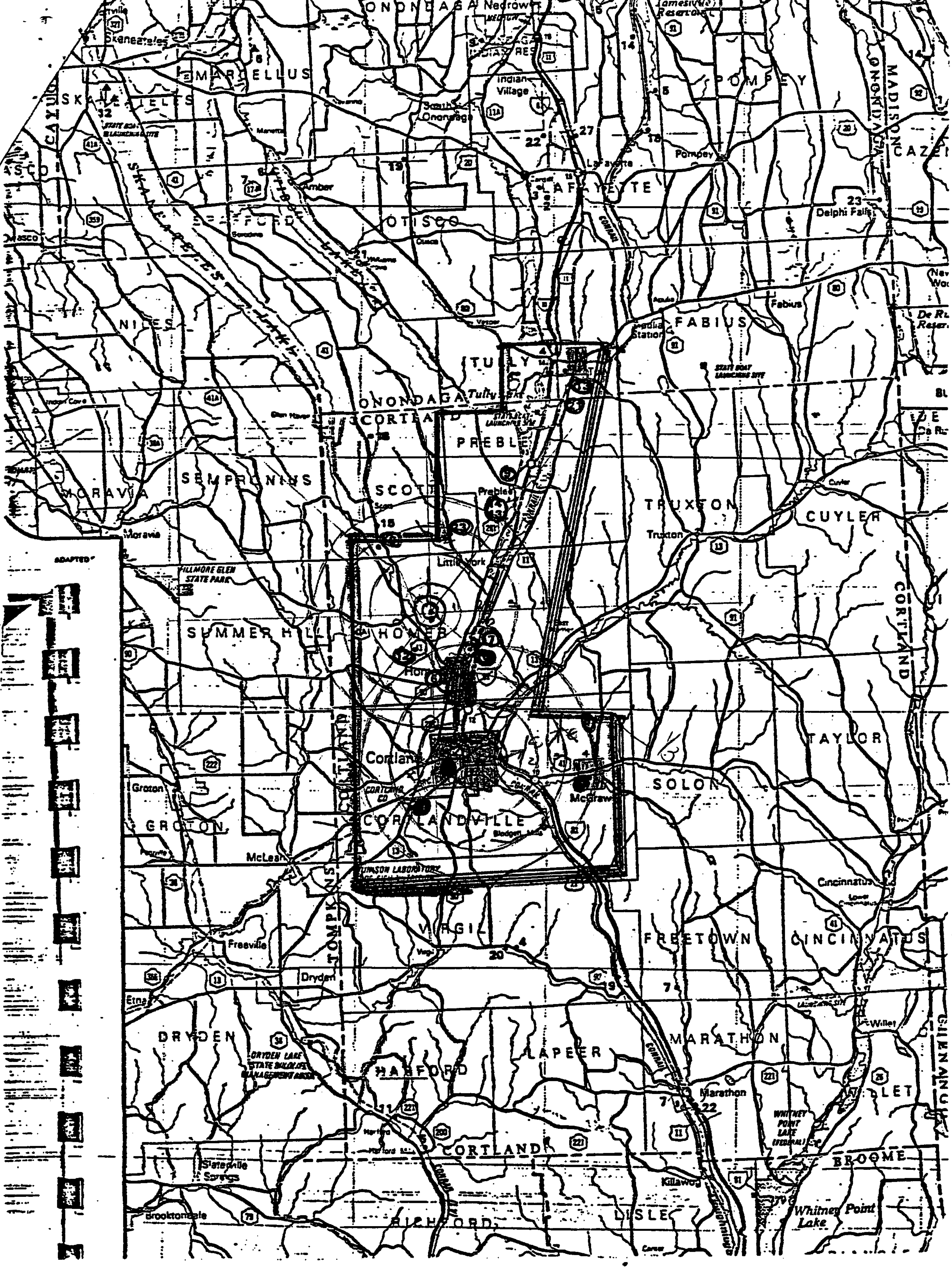
-#3 CORTLANDVILLE - CORTLANDVILLE TOWN WATER SERVES 3,200 "

-#8 McGRAW - McGRAW ACADEMY St WATER TREATMENT PLANT SERVES 1,300 PEOPLE

-ACCORDING THE INFORMETION GOTEN FROM CORTLAND COUNTY HEALTH DEPT THE TOTAL POPULATION SERVED BY PUBLIC WELLS SUPPLY IS APPROXIMATELY 29,490. (WITHIN 4-mi RADIUS)

Show calculations of ground water drinking water populations:

DISTANCE (MILES)	POPULATION SERVED
0 - 1/4	0
>1/4 - 1/2	0
>1/2 - 1	20,000
>1 - 2	0
>2 - 3	7,400
>3 - 4	2,090



ONONDAGA
Skaneateles
MARCELLUS
SKANEATELES
POMPEY
MADISON
ONONDAGA
CAZE
Indian Village
South Onondaga
Pompey
Lafayette
LAFAYETTE
Amber
Delphi Falls
SPAFFORD
OTISCO
Owasco
NILES
FABIUS
Fabius
Station
TULLY
Tully
ONONDAGA
CORTLAND
PREBLE
Preble
SEMPRONIUS
MORAVIA
Moravia
SCOTT
Scott
TRUXTON
Truxton
CUYLER
Little York
FILLMORE GLEN STATE PARK
SUMMER HILL
HOMER
Homer
CORTLAND
Cortland
TAYLOR
Groton
GROTON
SOLON
McGraw
CORTLANDVILLE
Blodgett Mills
McLean
TOMPKINS
VIRGIL
Virgil
FREETOWN
CINCINNATUS
Cincinnatus
Freeville
Dryden
Etna
DRYDEN
DRYDEN LAKE STATE WILDLIFE MANAGEMENT AREA
HARFORD
Harford
LAPEER
MARATHON
Marathon
Willet
WILLET
CHENANGO
WHITNEY POINT LAKE
CORTLAND
BROOME
Slaterville Springs
Brooktondale
Killawog
LISLE
RICHFORD
Whitney Point Lake
ADAPTED

PUBLIC WATER SUPPLY

	Population Served
2 Cortland - Cortland City Water Treatment Plant	20,000
3 Cortlandville - Cortlandville Town Water	3,200
6 Homer - Homer Water Works	4,200
8 McGraw - McGraw Academy St Water Treatment Plant	1,300
12 Homer - Homer Trailer Park	600
16 Homer - Green Acres Mobile Park	30
17 Homer - Pine Hill Mobile, Inc.	260

Distance from site	Population
0 to ¼ mile	0
>¼ to ½ mile	0
>½ to 1 mile	20,000
>1 to 2 mile	0
>2 to 3 mile	7,400
>3 to 4 mile	2,090

DRAFT NOV 06 1990

GROUND WATER PATHWAY CRITERIA LIST

Site Name: Brockway Motor
Date: 4-12-91

This chart provides guidelines to assist you in hypothesizing the presence of a suspected release and identifying primary targets. It is expected th not all of this information will be available during the PA. Also, these criteria are not all-inclusive; list any other criteria you use to hypothesize suspected release or to identify primary targets. This chart will record your professional judgment in evaluating these factors.

The "Suspected Release" section of the chart guides you through evaluation of some site, source, and pathway conditions to help hypothesi whether a release from the site is likely. If a release is suspected, use the "Primary Targets" section to guide you through evaluation of sor conditions that will help identify targets likely to be exposed to hazardous substances. You may use this section of the chart more than onc depending on the number of targets you feel may be considered "primary." In the "Primary Targets" section on this sheet, record the respons for the well that you feel has the highest probability of being exposed to hazardous substances.

Check the boxes to indicate a "yes", "no", or "unknown" answer to each question. If you check the "Suspected Release" box as "yes", make su that you assign a Likelihood of Release value of 550 for the pathway.

GROUND WATER PATHWAY

SUSPECTED RELEASE

Yes	No	Unknown	
■	☐	☐	Are sources poorly contained?
■	☐	☐	Is the source a type likely to contribute to ground water contamination (e.g., wet lagoon)?
■	☐	☐	Is waste quantity particularly large?
☐	■	☐	Is precipitation heavy and infiltration rate high?
☐	■	☐	Is the site located in an area of karst terrain?
☐	■	☐	Is the subsurface highly permeable or conductive?
■	☐	☐	Is drinking water drawn from a shallow aquifer?
■	☐	☐	Are suspected contaminants highly mobile in ground water?
☐	■	☐	Does any circumstantial evidence of ground water or drinking water contamination exist?
☐	■		Other criteria? _____
☐	■		**SUSPECTED RELEASE?**

PRIMARY TARGETS

Yes	No	Unknown	
☐	■	☐	Is any drinking-water well nearby?
☐	■	☐	Is any nearby drinking-water well closed?
☐	■	☐	Has foul-tasting or foul-smelling water been reported by any nearby drinking-water users?
☐	☐	■	Do any nearby wells have a large drawdown or high production rate?
☐	■	☐	Are drinking-water wells located between the site and other wells that are suspected to be exposed to hazardous substances?
☐	■	☐	Does any circumstantial evidence of ground water or drinking water contamination exist?
☐	■	☐	Does any drinking-water well warrant sampling?
☐	■		Other criteria? _____
☐	■		**PRIMARY TARGET(S) IDENTIFIED?**

Summarize the rationale for suspected release (attach an additional page if necessary):

An observed release was detected, but it was in the vicinity of former underground fuel tanks; such tanks are not covered under CERCLA.

Summarize the rationale for Primary Targets (attach an additional page if necessary):

DRAFT
NOV 06 1990

Site Name: BROCKWAY MOTOR TRUCK
Date: 4-12-91

GROUND WATER PATHWAY SCORESHEET

Pathway Characteristics		
Do you suspect a release (see Ground Water Pathway Criteria List, page 7)?		Yes ___ No X
Is the site located in karst terrain?		Yes ___ No X
Depth to aquifer:		9 ft
Distance to the nearest drinking-water well:	(0.8 mile - 9 mi)	4224.00 ft

	A Suspected Release	B No Suspected Release	Reference
LIKELIHOOD OF RELEASE			
1. SUSPECTED RELEASE: If you suspect a release to ground water (see page 7), assign a score of 550, and use only column A for this pathway.	(550)		
2. NO SUSPECTED RELEASE: If you do not suspect a release to ground water, and the site is in karst terrain or the depth to aquifer is 70 feet or less, assign a score of 500; otherwise, assign a score of 340. Use only column B for this pathway.		(500 or 340)	
LR =		500	
TARGETS			
3. PRIMARY TARGET POPULATION: Determine the number of people served by drinking water from wells that you suspect have been exposed to hazardous substances from the site (see Ground Water Pathway Criteria List, page 7). ___ people x 10 =			
4. SECONDARY TARGET POPULATION: Determine the number of people served by drinking water from wells that you do NOT suspect have been exposed to hazardous substances from the site, and assign the total population score from PA Table 2. Are any wells part of a blended system? Yes ___ No X. If yes, attach a page to show apportionment calculations.		603	
5. NEAREST WELL: If you have identified any Primary Targets for ground water, assign a score of 50; otherwise, assign the highest Nearest Well score from PA Table 2. If no drinking-water wells exist within 4 miles, assign a score of zero.	(50, 20, 18, 9, 6, 3, 2, or 0)	(20, 18, 9, 5, 3, 2, or 0) 9	
6. WELLHEAD PROTECTION AREA (WHPA): Assign a score of 20 if any portion of a designated WHPA is within ¼ mile of the site; assign 5 if from ¼ to 4 miles.	(20, 5, or 0)	(20, 5, or 0) —	
7. RESOURCES: A score of 5 is assigned.	(5) 5	(5) 5	
T =		617	
WASTE CHARACTERISTICS			
8. A. If you have identified any Primary Targets for ground water, assign the waste characteristics score calculated on page 4, or a score of 32, whichever is GREATER; do not evaluate part B of this factor.	(100 or 32)		
B. If you have NOT identified any Primary Targets for ground water, assign the waste characteristics score calculated on page 4.	(100, 32, or 18)	(100, 32, or 18) 32	
WC =		82	

$$\frac{500 \times 617 \times 32}{82{,}500} =$$

GROUND WATER PATHWAY SCORE: $\frac{LR \times T \times WC}{82{,}500}$ = (subject to a maximum of 100) 119.67 / 67.31

Site Name: BROOKWAY
Date: 4-12-91

DRAFT NOV 03 1990

PA TABLE 2: VALUES FOR SECONDARY GROUND WATER TARGET POPULATIONS

PA Table 2a: Non-Karst Aquifers

Distance from Site	Population	Nearest Well (choose highest)	Population Served by Wells Within Distance Category										Population Value
			1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	
0 to ¼ mile	0	20	1	2	5	16	52	163	521	1,633	5,214	16,325	—
> ¼ to ½ mile	0	18	1	1	3	10	32	101	323	1,012	3,233	10,121	—
> ½ to 1 mile	20,000	(9)	1	1	2	5	17	52	167	(522)	1,668	5,224	522
> 1 to 2 miles	0	5	1	1	1	3	9	29	94	294	939	2,938	—
> 2 to 3 miles	7,400	3	1	1	1	2	7	21	(68)	212	678	2,122	68
> 3 to 4 miles	2,090	2	1	1	1	1	4	(13)	42	131	417	1,306	13
Nearest Well =		9										Score =	603

PA Table 2b: Karst Aquifers

Distance from Site	Population	Nearest Well (use 20 for karst)	Population Served by Wells Within Distance Category										Population Value
			1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	
0 to ¼ mile		20	1	2	5	16	52	163	521	1,633	5,214	16,325	
> ¼ to ½ mile		20	1	1	3	10	32	101	323	1,012	3,233	10,121	
> ½ to 1 mile		20	1	1	3	8	26	82	261	816	2,607	8,162	
> 1 to 2 miles		20	1	1	3	8	26	82	261	816	2,607	8,162	
> 2 to 3 miles		20	1	1	3	8	26	82	261	816	2,607	8,162	
> 3 to 4 miles		20	1	1	3	8	26	82	261	816	2,607	8,162	
Nearest Well =												Score =	

DRAFT

NOV 0 8 1990

Site Name: BROCKWAY MOTOR TRUCKS
Date: 4-12-91

SURFACE WATER PATHWAY
MIGRATION ROUTE SKETCH

Provide a Sketch of the Surface Water Migration Route:
(include runoff route, probable point of entry, 15-mile target distance limit, intakes, fisheries, and sensitive environments)

IT IS NO POSSIBLE A SURFACE WATER MIGRATION, BECAUSE THERE ARE NO DIRECT PATHWAYS LEADING FROM THE SITE TO THE TIOUGHNIOGA RIVER. IT IS NOT A DOWNSLOPE SURFACE WATER.

DRAFT NOV 06 1990

SURFACE WATER PATHWAY CRITERIA LIST

Site Name: Brockway Motor T...
Date: 4-12-91

This chart provides guidelines to assist you in hypothesizing the presence of a suspected release and identifying primary targets. It is expected th not all of this information will be available during the PA. Also, these criteria are not all-inclusive; list any other criteria you use to hypothesize suspected release or to identify primary targets. This chart will record your professional judgment in evaluating these factors.

The "Suspected Release" section of the chart guides you through evaluation of some site, source, and pathway conditions to help hypothesi whether a release from the site is likely. If a release is suspected, use the "Primary Targets" section to guide you through evaluation of sor conditions that will help identify targets likely to be exposed to hazardous substances. You may use this section of the chart more than onc depending on the number of targets you feel may be considered "primary." In the "Primary Targets" section on this sheet, record the response for the target that you feel has the highest probability of being exposed to hazardous substances.

Check the boxes to indicate a "yes", "no", or "unknown" answer to each question. If you check the "Suspected Release" box as "yes", make sur that you assign a Likelihood of Release value of 550 for the pathway.

SURFACE WATER PATHWAY

SUSPECTED RELEASE

Yes	No	Unknown	
☐	■	☐	Is surface water nearby?
☐	■	☐	Is waste quantity particularly large?
☐	■	☐	Is the drainage area large?
☐	■	☐	Is precipitation heavy or infiltration rate low?
■	☐	☐	Are sources poorly contained or prone to runoff or flooding?
☐	■	☐	Is a runoff route well defined (e.g., ditch or channel leading to surface water)?
☐	■	☐	Is vegetation stressed along the probable runoff path?
☐ ?	■	☐	Are suspected contaminants highly persistent in surface water?
☐	■	☐	Are sediments/water unnaturally discolored?
☐	■	☐	Is wildlife unnaturally absent?
☐	■	☐	Has deposition of waste into surface water been observed?
☐	■	☐	Is ground water discharge to surface water likely?
☐	■	☐	Is there any circumstantial evidence of surface water contamination?
☐	■		Other criteria? _____
☐	■		**SUSPECTED RELEASE?**

PRIMARY TARGETS

Yes	No	Unknown	
☐	■	☐	Is any target nearby? If yes:
			☐ Drinking-water intake
			☐ Fishery
			☐ Sensitive environment
☐	■	☐	Has an intake, fishery, or recreational area been closed?
☐	■	☐	Is there any circumstantial evidence of surface water contamination at or downstream of a target?
☐	■	☐	Does any target warrant sampling? If yes:
			☐ Drinking-water intake
			☐ Fishery
			☐ Sensitive environment
☐	■		Other criteria? _____
☐	■		**PRIMARY INTAKE(S) IDENTIFIED?**
☐	■		**PRIMARY FISHERY IDENTIFIED?**
☐	■		**PRIMARY SENSITIVE ENVIRONMENT(S) IDENTIFIED?**

Summarize the rationale for suspected release (attach an additional page if necessary):

Summarize the rationale for Primary Targets (attach an additional page if necessary):

DRAFT

NOV 06 1990

Site Name: BROCKWAY MOTOR TRUCK

Date: 4-12-91

SURFACE WATER PATHWAY
LIKELIHOOD OF RELEASE AND DRINKING WATER THREAT SCORESHEET

Pathway Characteristics	
Do you suspect a release (see Surface Water Pathway Criteria List, page 11)?	Yes ___ No X
Distance to surface water:	3,590.40 ft
Flood Frequency:	500 yrs
What is the downstream distance to the nearest drinking-water intake?	NONE miles
nearest fishery? NONE miles	nearest sensitive environment? 2 miles

* THERE ARE NO DIRECT PATHWAYS LEADING FROM THE SITE TO THE RIVER. TIOUGHNIOGA RIVER IS NOT A DOWNSLOPE SURFACE WATER.

LIKELIHOOD OF RELEASE

	A Suspected Release	B No Suspected Release	Reference
1. SUSPECTED RELEASE: If you suspect a release to surface water (see page 11), assign a score of 550, and use only column A for this pathway.	[550]		
2. NO SUSPECTED RELEASE: If you do not suspect a release to surface water, and the distance to surface water is 2,500 feet or less, assign a score of 500; otherwise, assign a score from the table below. Use only column B for this pathway.		[500, 400, 300 or 100] 100	
LR =	[550]	[500, 400, 300 or 100] 100	

Floodplain	Score
Site in annual or 10-yr floodplain	500
Site in 100-yr floodplain	400
Site in 500-yr floodplain	300
Site outside 500-yr floodplain	100

DRINKING WATER THREAT TARGETS

3. Determine the water body types, flows (if applicable), and number of people served by all drinking-water intakes within the 15-mile target distance limit. If there are no drinking-water intakes within the target distance limit, assign a total Targets score of 5 at the bottom of this page (Resources only) and proceed to page 14.

Intake Name	Water Body Type	Flow	People Served
		___ cfs	
		___ cfs	
		___ cfs	

4. PRIMARY TARGET POPULATION: If you suspect any drinking-water intake listed above has been exposed to hazardous substances from the site (see Surface Water Pathway Criteria List, page 11), list the intake name(s) and calculate the factor score based on the number of people served.

___, ___,

___ people x 10 =

5. SECONDARY TARGET POPULATION: Determine the Secondary Target Population score from PA Table 3 based on the populations using drinking-water from intakes that you do NOT suspect have been exposed to hazardous substances from the site.

Are any intakes part of a blended system? Yes ___ No ___

If yes, attach a page to show apportionment calculations.

0

6. NEAREST INTAKE: If you have identified any Primary Targets for the drinking water threat (Factor 4), assign a score of 50; otherwise, assign the Nearest Intake score from PA Table 3. If no drinking-water intake exists within the 15-mile target distance limit, assign a score of zero.

[50, 20, 10, 2, 1, or 0] | [20, 10, 2, 1, or 0]

0

7. RESOURCES: A score of 5 is assigned.

[5] 5 | [5] 5

T = | 5

Site Name:
Date:

DRAFT NOV 06 1990

PA TABLE 3: VALUES FOR SECONDARY SURFACE WATER TARGET POPULATIONS

Surface Water Body Flow Characteristics (see PA Table 4)	Population	Nearest Intake (choose highest)	Population Served by Intakes Within Flow Category											Population Value
			1 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	1,000,001 to 3,000,000	
< 10 cfs	_____	20	2	5	16	52	163	521	1,633	5,214	16,325	52,136	163,246	_____
10 to 100 cfs	_____	2	1	1	2	5	16	52	163	521	1,633	5,214	16,325	_____
> 100 to 1,000 cfs	_____	1	0	0	1	1	2	5	16	52	163	521	1,633	_____
> 1,000 to 10,000 cfs	_____	0	0	0	0	0	1	1	2	5	16	52	163	_____
> 10,000 cfs or Great Lakes	_____	0	0	0	0	0	0	0	1	1	2	5	16	_____
3-mile Mixing Zone	_____	10	1	3	8	26	82	261	816	2,607	8,162	26,068	81,663	_____
Nearest Intake =													Score =	

PA TABLE 4: SURFACE WATER TYPE / FLOW CHARACTERISTICS WITH DILUTION WEIGHTS FOR SECONDARY SURFACE WATER SENSITIVE ENVIRONMENTS

Type of Surface Water Body			Dilution Weight
Water Body Type	OR	Flow Characteristics	
minimal stream		flow less than 10 cfs	1
small to moderate stream		flow 10 to 100 cfs	0.1
moderate to large stream		flow greater than 100 to 1,000 cfs	N/A
large stream to river		flow greater than 1,000 to 10,000 cfs	N/A
large river		flow greater than 10,000 cfs	N/A
3-mile mixing zone of quiet flowing streams or rivers		flow 10 cfs or greater	N/A
coastal tidal water (harbors, sounds, bays, etc.), ocean, or Great Lakes		N/A	N/A

DRAFT

NOV 0 6 1990

Site Name: BROCKWAY MOTOR TRUCKS 1

Date: 4-12-91

SURFACE WATER PATHWAY (continued)
HUMAN FOOD CHAIN THREAT SCORESHEET

		A Suspected Release	B No Suspected Release	Referenc
LIKELIHOOD OF RELEASE		[550]	[500,400,300 or 100]	
Enter the Surface Water Likelihood of Release score from page 12.	LR =		100	

HUMAN FOOD CHAIN THREAT TARGETS

8. Determine the water body types and flows (if applicable) for all fisheries within the 15-mile target distance limit. If there are no fisheries within the target distance limit, assign a Targets score of 0 at the bottom of this page and proceed to page 15.

Fishery Name	Water Body Type	Flow
		cfs
		cfs
		cfs
		cfs
		cfs

9. PRIMARY FISHERIES: If you suspect any fishery listed above has been exposed to hazardous substances from the site (see Surface Water Criteria List, page 11), assign a score of 300 and do not evaluate Factor 10. List the Primary Fisheries:

_____, _____,

_____, _____.

10. SECONDARY FISHERIES: If you have not identified any Primary Fisheries, assign a Secondary Fisheries score from the table below using the LOWEST flow at any fishery within the 15-mile target distance limit.

Lowest Flow	Secondary Fisheries Score
< 10 cfs	210
10 to 100 cfs	30
>100 cfs, coastal tidal waters, oceans, or Great Lakes	12

		[300 or 0]		
		[210,30,12 or 0]	[210,30,12, or 0]	
			0	
	T =	[300,210,30,12 or 0]	[210,30,12, or 0]	
			0	

* THERE ARE NO DIRECT PATHWAY LEADING FROM THE SITE TO THE RIVER. THOUGH NIOGA RIVER IS NOT A DOWNSLOPE SURFACE WATER.

DRAFT

NOV 0 6 1990

Site Name: Brockway Motor Trucks
Date: 4-12-91

SURFACE WATER PATHWAY (continued)
ENVIRONMENTAL THREAT SCORESHEET

	A	B	
	Suspected Release	*No Suspected Release*	*Referer*
LIKELIHOOD OF RELEASE	[550]	[500,400,300 or 100]	
Enter the Surface Water Likelihood of Release score from page 12. LR =		100	

ENVIRONMENTAL THREAT TARGETS

11. Determine the water body types and flows (if applicable) for all surface water sensitive environments within the 15-mile target distance limit (see PA Tables 4 and 5). If there are no sensitive environments within the 15-mile target distance limit, assign a Targets score of 0 at the bottom of this page, and proceed to page 17.

Environment Name	*Water Body Type*	*Flow*
		cfs
		cfs
		cfs
		cfs
		cfs

[300 or 0]

12. PRIMARY SENSITIVE ENVIRONMENTS: If you suspect any sensitive environment listed above has been exposed to hazardous substances from the site (see Surface Water Criteria List, page 11), assign a score of 300 and do not evaluate Factor 13. List the Primary Sensitive Environments:

_____, _____,

_____, _____.

13. SECONDARY SENSITIVE ENVIRONMENTS:

A. For Secondary Sensitive Environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part B of this factor:

Flow	*Dilution Weight (PA Table 4)*	*Environment Type and Value (PA Tables 5 and 6)*	*Total*
cfs	x	=	
cfs	x	=	
cfs	x	=	
cfs	x	=	
cfs	x	=	

Sum = 0

[10 or 0] [10 or 0]

B. If NO Secondary Sensitive Environments are located on surface water bodies with flows of 100 cfs or less, assign a score of 10. 0

T = 0

DRAFT

NOV 06 1990

Site Name: BROCKWAY MOTOR TRUCKS
Date: 4-12-91

PA TABLE 5: SURFACE WATER AND AIR SENSITIVE ENVIRONMENTS VALUES

Sensitive Environment	Assigned Value
Critical habitat for Federally designated endangered or threatened species Marine Sanctuary National Park Designated Federal Wilderness Area Ecologically important areas identified under the Coastal Zone Wilderness Act Sensitive Areas identified under the National Estuary Program or Near Coastal Water Program of the Clean Water Act Critical Areas identified under the Clean Lakes Program of the Clean Water Act (subareas in lakes or entire small lakes) National Monument National Seashore Recreation Area National Lakeshore Recreation Area	100
Habitat known to be used by Federally designated or proposed endangered or threatened species National Preserve National or State Wildlife Refuge Unit of Coastal Barrier Resources System Federal land designated for the protection of natural ecosystems Administratively Proposed Federal Wilderness Area Spawning areas critical for the maintenance of fish/shellfish species within a river system, bay or estuary Migratory pathways and feeding areas critical for the maintenance of anadromous fish species in a river system Terrestrial areas utilized by large or dense aggregations of vertebrate animals (semi-aquatic foragers) for breeding National river reach designated as recreational	75
Habitat known to be used by State designated endangered or threatened species Habitat known to be used by a species under review as to its Federal endangered or threatened status Coastal Barrier (partially developed) Federally designated Scenic or Wild River	50
State land designated for wildlife or game management State designated Scenic or Wild River State designated Natural Area Particular areas, relatively small in size, important to maintenance of unique biotic communities	25
State designated areas for the protection/maintenance of aquatic life under the Clean Water Act	5
Wetlands	See PA Table 6 (Surface Water Pathway) or PA Table 9 (Air Pathway)

PA TABLE 6: SURFACE WATER WETLANDS FRONTAGE VALUES

Total Length of Wetlands	Assigned Value
Less than 0.1 mile	0
0.1 to 1 mile	25
Greater than 1 to 2 miles	50
Greater than 2 to 3 miles	75
Greater than 3 to 4 miles	100
Greater than 4 to 8 miles	150
Greater than 8 to 12 miles	250
Greater than 12 to 16 miles	350
Greater than 16 to 20 miles	450
Greater than 20 miles	500

DRAFT

NOV 0 6 1990

Site Name: Brockway Motor Trucks

Date: 4-12-91

SURFACE WATER PATHWAY (concluded)
WASTE CHARACTERISTICS, THREAT, AND PATHWAY SCORE SUMMARY

WASTE CHARACTERISTICS

	A *Suspected Release*	B *No Suspected Release*
14. A. If you have identified ANY Primary Targets for surface water (pages 12, 14, or 15), assign the waste characteristics score calculated on page 4, or a score of 32, whichever is GREATER; do not evaluate part B of this factor.	[100 or 32]	
B. If you have NOT identified any Primary Targets for surface water, assign the waste characteristics score calculated on page 4.	[100,32, or 18]	[100,32, or 18] 32
WC =		32

SURFACE WATER PATHWAY THREAT SCORES

Threat	*Likelihood of Release (LR) Score (from page 12)*	*Targets (T) Score*	*Pathway Waste Characteristics (WC) Score (determined above)*	*Threat Score LR x T x WC / 82,500*
Drinking Water	100	5	32	[subject to a maximum of 100] 0.194 / 0.11
Human Food Chain	100	0	32	[subject to a maximum of 100] 0
Environmental	100	0	32	[subject to a maximum of 60] 0

SURFACE WATER PATHWAY SCORE
(Drinking Water Threat + Human Food Chain Threat + Environmental Threat)

[subject to a maximum of 100]
0.194 / 0.11

DRAFT NOV 06 1990
SOIL EXPOSURE PATHWAY CRITERIA LIST

Site Name: Brookman Motor Inc.
Date: 4-12-91

This chart provides guidelines to assist you in hypothesizing the presence of a resident population. It is expected that not all of this informati will be available during the PA. Also, these criteria are not all-inclusive; list any other criteria you use to hypothesize resident populations. T chart will record your professional judgment in evaluating this factor.

Use the resident population section to guide you through evaluation of some site and source conditions that will help identify targets likely to exposed to hazardous substances. You may use this section of the chart more than once, depending on the number of nearby people you feel m be considered part of a resident population. Record the responses for the resident population target that you feel has the highest probability of bei exposed to hazardous substances.

Check the boxes to indicate a "yes", "no", or "unknown" answer to each question.

SOIL EXPOSURE PATHWAY				
SUSPECTED CONTAMINATION	***RESIDENT POPULATION***			
	Yes	No	Unknown	
Surficial contamination is assumed.	☐	■	☐	Are there residences, schools, or day care facilities on or within 200 feet of areas of suspected contamination?
	☐	■	☐	Are residences, schools, or day care facilities located on adjacent land previously owned or leased by the site owner/operator?
	☐	■	☐	Is there an overland migration route that might spread hazardous substances near residences, schools, or day care facilities?
	☐	■	☐	Are there any reports of adverse health effects from onsite or adjacent residents or students, exclusive of apparent drinking water or air contamination problems?
	☐	☐	■	Does any offsite property warrant sampling?
	☐	■		Other criteria? _____
	☐	■		**RESIDENT POPULATION IDENTIFIED?**

Summarize the rationale for resident population (attach an additional page if necessary):

- THE NEAREST BUILDING OFF-SITE IS 0.1 mi ≈ 528ft FROM THE SITE.
- THE NEAREST SCHOOL IS APPROXIMATELY 0.25 mi ≈ 1320 ft
- THE # OF WORKERS GIVEN IN THE SITE INSP REPORT IS 295.
- THERE ARE NOT ANY TERRESTIAL SENSITIVE ENVIRONMENT WITHIN 4 mi - RADIUS.

DRAFT

NOV 0 6 1990

Site Name: Brockway Motor Trucks 1
Date: 4-12-91

SOIL EXPOSURE PATHWAY SCORESHEET

Pathway Characteristics	
Do any people live on or within 200 ft of areas of suspected contamination?	Yes ___ No X
Do any people attend school or day care on or within 200 ft of areas of suspected contamination?	Yes ___ No X
Is the facility active? Yes ___ No ___ If yes, estimate the number of workers: 295	

		A Suspected Contamination	B No Suspected Contamination	Reference
LIKELIHOOD OF EXPOSURE				
1. SUSPECTED CONTAMINATION: Surficial contamination is assumed. A score of 550 is assigned.	LE =	[550] 550		
RESIDENT POPULATION THREAT TARGETS				
2. RESIDENT POPULATION: Determine the number of people occupying residences or attending school or day care on or within 200 feet of areas of suspected contamination (see Soil Exposure Pathway Criteria List, page 18). ___ people x 10 =		0		
3. RESIDENT INDIVIDUAL: If you have identified any Resident Population (Factor 2), assign a score of 50; otherwise, assign a score of 0.		[50 or 0] 0		
4. WORKERS: Assign a score from the following table based on the total number of workers at the facility and nearby facilities with suspected contamination:		[15, 10, 5, or 0] 10		
5. TERRESTRIAL SENSITIVE ENVIRONMENTS: Assign a value from PA Table 7 for each terrestrial sensitive environment that is located on an area of suspected contamination:	Sum =	0		
6. RESOURCES: A score of 5 is assigned.		[5] 5		
	T =	15		
WASTE CHARACTERISTICS				
7. Assign the waste characteristics score calculated on page 4.	WC =	[100, 32, or 18] 32		

Number of Workers	Score
0	0
1 to 100	5
101 to 1,000	10
>1,000	15

Terrestrial Sensitive Environment Type	Value

RESIDENT POPULATION THREAT SCORE: $\frac{LE \times T \times WC}{82{,}500}$ = $\frac{550 \times 15 \times 32}{82{,}500}$ = 3.20 / 1.8 (subject to a maximum of 1.8)

NEARBY POPULATION THREAT SCORE: *Assign a score of 2* = 2

SOIL EXPOSURE PATHWAY SCORE: Resident Population Threat + Nearby Population Threat = 5.20 / 3.8 (subject to a maximum of 3.8)

DRAFT

NOV 0 6 1990

Site Name:
Date:

PA TABLE 7: SOIL EXPOSURE PATHWAY
TERRESTRIAL SENSITIVE ENVIRONMENT VALUES

Terrestrial Sensitive Environment	*Assigned*
Terrestrial critical habitat for Federally designated endangered or threatened species National Park Designated Federal Wilderness Area National Monument	10
Terrestrial habitat known to be used by Federally designated or proposed threatened or endangered species National Preserve (terrestrial) National or State terrestrial Wildlife Refuge Federal land designated for protection of natural ecosystems Administratively proposed Federal Wilderness Area Terrestrial areas utilized by large or dense aggregations of animals (vertebrate species) for breeding	75
Terrestrial habitat used by State designated endangered or threatened species Terrestrial habitat used by species under review for Federally designated endangered or threatened status	50
State lands designated for wildlife or game management State designated Natural Areas Particular areas, relatively small in size, important to maintenance of unique biotic communities	25

DRAFT NOV 06 1990

AIR PATHWAY CRITERIA LIST

Site Name: Brockway Motor Inc.
Date: 4-12-91

This chart provides guidelines to assist you in hypothesizing the presence of a suspected release. It is expected that not all of this information will be available during the PA. Also, these criteria are not all-inclusive; list any other criteria you use to hypothesize a suspected release. This chart will record your professional judgment in evaluating this factor.

The "Suspected Release" section of the chart guides you through evaluation of some conditions to help hypothesize whether a release from the site is likely. For the Air Pathway, if a release is suspected, "Primary Targets" are any residents, workers, students, or sensitive environments within ¼ mile of the site.

Check the boxes to indicate a "yes", "no", or "unknown" answer to each question. If you check the "Suspected Release" box as "yes", make sure that you assign a Likelihood of Release value of 550 for the pathway.

AIR PATHWAY

SUSPECTED RELEASE				PRIMARY TARGETS
Yes	No	Unknown		
☐	■	☐	Have odors been reported?	*If you suspect a release to air, evaluate all populations and sensitive environments within ¼ mile (including those onsite) as Primary Targets.*
☐	■	☐	Has a release of hazardous substances to the air been directly observed?	
☐	■	☐	Are there any reports of adverse health effects (e.g., headaches, nausea, dizziness) potentially resulting from migration of hazardous substances through the air?	
☐	■	☐	Is there any circumstantial evidence of an air release?	
☐	■		Other criteria? _____	
☐	■		**SUSPECTED RELEASE?**	

Summarize the rationale for suspected release (attach an additional page if necessary):

DISTANCE FROM SITE (MILES)	POPULATION	References
ON SITE	WORKERS (295)	* SITE Insp. REPORT
>0 TO 1/4	52	3mi-VICINITY MAP
>1/4 TO 1/2	630	GEMS
>1/2 TO 1	5607	"
>1 TO 2	11544	"
>2 TO 3	7018	"
>3 TO 4	2751	"

DRAFT

NOV 06 1990

Site Name: Brockway Motor Trucks
Date: 4-12-91

AIR PATHWAY SCORESHEET

Pathway Characteristics	
Do you suspect a release (see Air Pathway Criteria List, page 21)?	Yes ___ No X
Distance to the nearest individual:	520 ft

	A Suspected Release	B No Suspected Release	Reference
LIKELIHOOD OF RELEASE			
1. SUSPECTED RELEASE: If you suspect a release to air (see page 21), assign a score of 550, and use only column A for this pathway.	[550]		
2. NO SUSPECTED RELEASE: If you do not suspect a release to air, assign a score of 500, and use only column B for this pathway.		[500] 500	
LR =		500	
TARGETS			
3. PRIMARY TARGET POPULATION: Determine the number of people subject to exposure from a release of hazardous substances through the air (see Air Pathway Criteria List, page 21). ___ people x 10 =			
4. SECONDARY TARGET POPULATION: Determine the number of people within the 4-mile target distance limit, and assign the total population score from PA Table 8.		38	
5. NEAREST INDIVIDUAL: If you have identified any Primary Targets for the air pathway, assign a score of 50; otherwise, assign the highest Nearest Individual score from PA Table 8.	[50, 20, 7.2.1, or 0]	[20, 7.2.1, or 0] 20	
6. PRIMARY SENSITIVE ENVIRONMENTS: Sum the sensitive environment values (PA Table 5) and wetland acreage values (PA Table 9) for environments subject to exposure from air hazardous substances (see Air Pathway Criteria List, page 21).			
Sum =			
7. SECONDARY SENSITIVE ENVIRONMENTS: Use PA Table 10 to determine the score for secondary sensitive environments.		0	?
8. RESOURCES: A score of 5 is assigned.	[5] 5	[5] 5	
T =		~~58~~	63
WASTE CHARACTERISTICS			
9. A. If you have identified any Primary Targets for the air pathway, assign the waste characteristics score calculated on page 4, or a score of 32, whichever is GREATER; do not evaluate part B of this factor.	[100 or 32]		
B. If you have NOT identified any Primary Targets for the air pathway, assign the waste characteristics score calculated on page 4.	[100, 32, or 18]	[100, 32, or 18] 32	
WC =		32	

$$\frac{500 \times \overset{63}{\cancel{58}} \times 32}{82{,}500} = \cancel{11.25}$$

AIR PATHWAY SCORE: $\dfrac{LR \times T \times WC}{82.500} =$ [subject to a maximum of 100] ~~11.25~~ 12.22 / 6.87

Site Name: BROCKWAY MOTOR TRUCK
Date:

DRAFT NOV 06 1990

PA TABLE 8: VALUES FOR SECONDARY AIR TARGET POPULATIONS

Distance from Site	Population	Nearest Individual (choose highest)	Population Within Distance Category: 1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	1,000,001 to 3,000,000	Population Value
Onsite	295	20	1	2	5	(16)	52	163	521	1,633	5,214	16,325	52,136	163,246	16
>0 to ¼ mile	52	(20)	1	1	(1)	4	13	41	130	408	1,303	4,081	13,034	40,811	1
> ¼ to ½ mile	630	2	0	0	1	1	(3)	9	28	88	282	882	2,815	8,815	3
> ½ to 1 mile	5607	1	0	0	0	1	1	3	(8)	26	83	261	834	2,612	8
> 1 to 2 miles	11544	0	0	0	0	0	1	1	3	(8)	27	83	266	833	8
> 2 to 3 miles	7018	0	0	0	0	0	1	1	(1)	4	12	38	120	376	1
> 3 to 4 miles	9751	0	0	0	0	0	0	(1)	1	2	7	23	73	229	1
Nearest Individual =		20											Score =		38

PA TABLE 9: AIR PATHWAY VALUES FOR WETLAND AREA

Wetland Area	Assigned Value
Less than 1 acre	0
1 to 50 acres	25
Greater than 50 to 100 acres	75
Greater than 100 to 150 acres	125
Greater than 150 to 200 acres	175
Greater than 200 to 300 acres	250
Greater than 300 to 400 acres	350
Greater than 400 to 500 acres	450
Greater than 500 acres	500

PA TABLE 10: DISTANCE WEIGHTS AND CALCULATIONS FOR AIR PATHWAY SECONDARY SENSITIVE ENVIRONMENTS

Distance	Distance Weight	Sensitive Environment Type and Value (from PA Table 5 or 9)	Product
Onsite	0.10	x	
		x	
0-1/4 mi	0.025	x	
		x	
		x	
1/4-1/2mi	0.0054	x	
		x	
		x	
		x	
Total Environments Score =			

REFERENCE #14 GENERAL SCIENCES CORPORATION. (GEMS) 1986

Pop.	House	DISTANCE
0	0	0 - 1/4
682	334	1/4 - 1/2
5607	2203	1/2 - 1
11544	4306	1 - 2
7018	1610	2 - 3
2751	963	3 - 4

$682/334 = 2.04192$

HOUSES COUNTED ON THE USGS MAP (WITHIN 0-1/4mi ARE APPROXIMATELY 25

$25 \times 2.04192 \simeq 51.05 \simeq 52$ people

$682 - 52 = 630$

SITE INSP. REPORT SPECIFIES THAT THE DISTANCE FOR THE NEAREST POPULATION IS 0.1 MILES ~ 528 ft

DRAFT NOV 06 1990

Date:

SITE SCORE CALCULATION

WC=18

	S	S^2
GROUND WATER PATHWAY SCORE (S_{gw}):	119.67 2100 ∴ 100 67.3 ✓	10,000 / 4530.64
SURFACE WATER PATHWAY SCORE (S_{sw}):	0.194 / 0.11 ✓	0.038 / 0.012
SOIL EXPOSURE PATHWAY SCORE (S_{se}):	5.20 / 3.80 ✓	~~27.04~~ / 14.44
AIR PATHWAY SCORE (S_a):	~~11.25~~ 12.22 / 6.87 ✓	~~126.56~~ 149.28/47.19
SITE SCORE:	$\sqrt{\frac{S_{gw}^2+S_{sw}^2+S_{se}^2+S_a^2}{4}}$ =	~~50.38~~ 50.43 / 33.88 ✓

RECOMMENDATION

HRS = 22.49 ✓

SUMMARY

	YES	NO
1. Is there a high possibility of a threat to nearby drinking water wells by migration of hazardous substances in ground water?	☐	☐
A. If yes, identify the wells recommended for sampling during the SI. THE NEAREST WELL		
B. If yes, how many people are served by these threatened wells? 20000		
2. Are any of the following suspected to have been exposed to hazardous substances through surface water migration from the site?		
A. Drinking water intake	☐	☒
B. Fishery	☐	☒
C. Sensitive environment: wetland, critical habitat, others	☐	☒
D. If yes, identify the targets recommended for sampling during the SI.		
3. Do people reside or attend school or day care on or within 200 ft of any area of suspected contamination?	☐	☒
4. Are there public health concerns at this site that are not addressed by PA scoring considerations? If yes, explain:	☐	☒